1. Which is larger: a Japanese Spider Crab or a Human?

2. You can click on each picture to learn about that object. What is a Rafflesia?

3. Compare the size of the largest hailstone to a basketball.

4. Which is larger: the International Space Station or a football field?

5. Which structure is larger: the Hoover Dam or one of the Great Pyramids of Giza?

6. How tall is the world’s tallest waterfall? Where is this feature located?

7. What is the “Large Hadron Collider”?

8. Compare the depth of the Mariana Trench to the height of Mt. Everest.

9. Describe the size of the smallest stars compared to the size of the smallest state in the USA.

10. Describe the largest AND smallest moons in our solar system.

11. What continent is larger than the moon (circular area of nearside)?

12. Is Sirius B a large or small star?

13. Describe Wolf 359.

14. Why does Altair look like and oval instead of a circle?

15. Calculate the total human height line in miles. (hint: this is very close to the diameter of Pollux; 1km = .62mi)

16. Identify and describe the largest star we know of.

17. What is the Kuiper Belt? (pronounced K-w-iper)

18. Where is Voyager 1 these days? Look up this spacecraft using the internet and find out how big it is, how fast it’s moving, and when it launched.

19. How far can light travel in one day?

20. Use the simulation/Wikipedia to research and describe 3 of the various nebulae (plural form of the nebula – clouds of star forming dust/gas) listed. Include sizes, colors, distances, shapes, etc. in your descriptions. Which one is your favorite? Google image search the names of these nebulae for amazing images!

21. What is IC 1101?

22. How many meters are in one Yottameter?

23. What is the Sloan Great Wall?

24. Using the simulation, research and **describe 5 things** that are SMALLER than the thickness of a sheet of paper.

25. Summarize in a few sentences what you learned from exploring the simulation and completing these questions.